ARI News Release

from the Air-Conditioning and Refrigeration Institute

1501 Wilson Blvd., 6th Floor, Arlington, VA 22209, (703) 524-8800, Telex 89-2351, Telecopier (703) 528-3816

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FOR IMMEDIATE RELEASE
May 13, 1986

FOR MORE INFORMATION
Bruce K. Davis, Director
Statistics & Business Research

Unitary air conditioning equipment -----

Estimated value exceeds $9 billion

ARLINGTON, Va. -- The estimated installed value of all unitary air conditioning equipment shipped for installation in the United States increased 2.04 percent from 1984 to 1985, exceeding $9 billion for the first time.

The Air-Conditioning and Refrigeration Institute reports that installed value of unitary equipment was $9,146,303,000 in 1985, a $182,950,000 increase over the previous record of $8,963,353,000 in 1984.

Commercial installations accounted for $2,999,588,000 of the total installed equipment while residential unitary installed equipment broke the $6 billion mark for the first time to achieve a record $6,146,715,000. These estimates, compiled from information supplied by manufacturers, are provided by ARI's Business Research Department.

"Installed value" includes the cost of a unitary air conditioner as shipped from the factory plus the cost of labor, ductwork, registers and grilles, thermostatic and other controls, electrical wiring, and other components of the system which is engineered by the contractor or dealer.

"Unitary" represents the equipment used in most central residential installations plus some commercial and industrial installations which use packaged equipment.

The following totals show the growth of the unitary air conditioning market over the past 30 years, particularly in central residential installations.

(more)

ESTIMATED INSTALLED VALUE OF UNITARY AIR CONDITIONERS

YEAR	RESIDENTIAL	COMMERCIAL	TOTAL
1956	$174,011,400	$290,796,100	$464,807,500
1957	176,230,800	226,582,300	402,813,100
1958	204,602,850	219,489,200	424,092,050
1959	266,675,850	283,136,700	549,812,550
1960	318,477,150	312,648,350	631,125,500
1961	338,139,000	280,286,300	618,425,300
1962	408,623,850	345,652,300	754,276,150
1963	451,360,800	390,610,800	841,971,600
1964	532,020,800	464,249,600	996,270,400
1965	632,567,600	543,029,600	1,175,597,200
1966	718,252,000	671,604,400	1,389,856,400
1967	783,604,000	749,020,000	1,532,624,000
1968	950,191,600	834,616,000	1,784,807,600
1969	1,295,766,400	981,417,200	2,277,183,600
1970	1,360,817,315	986,784,758	2,347,602,073
1971	1,649,497,029	1,095,759,074	2,745,256,103
1972	2,163,792,878	1,352,464,750	3,516,257,628
1973	2,582,223,238	1,570,293,253	4,152,516,691
1974	2,433,902,714	1,477,470,080	3,911,372,974
1975	1,791,216,492	1,164,231,182	2,955,447,674
1976	2,683,372,806	1,437,146,797	4,120,519,603
1977	3,264,487,814	1,541,671,701	4,806,159,515
1978	3,940,958,613	1,587,475,305	5,528,433,918
1979	3,990,624,988	1,945,812,933	5,936,442,921
1980	3,355,429,440	1,830,580,224	5,186,009,644
1981	3,795,551,720	2,268,348,029	6,081,899,749
1982	3,328,428,632	1,875,735,504	5,204,164,136
1983	4,935,690,000	2,190,224,000	7,125,914,000
1984	5,862,641,000	3,100,712,000	8,963,353,000
1985	6,146,715,000	2,999,588,000	9,146,303,000

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Field-engineered equipment -----

Estimated value breaks $6 billion mark

ARLINGTON, Va.-- The estimated installed value of field-engineered air conditioning equipment shipped in 1985 for installation in the United States climbed 22.85 percent to $6,515,994,000, breaking the $6 billion mark for the first time according to the Air-Conditioning and Refrigeration Institute. The 1984 previous record was $5,303,865,000.

Estimated installed value of unitary equipment rose 2.04 percent, from $8,963,353,000 in 1984 to $9,146,303,000 in 1985.

Combined, the estimated installed value of unitary equipment and field-engineered equipment, not including window air conditioners, rose 9.78 percent to $15,662,297,000 from the 1984 figure of $14,267,218,000. This total, the first to exceed $15 billion, is the highest annual value ever recorded for all air conditioning equipment shipped for installation in the United States.

Determinations of the installed value figure for field-engineered systems assume that only 7.5 percent of a system's cost represents the basic refrigeration machine. The remaining 92.5 percent represents air-handling equipment, labor, ducts, controls, plumbing, and other installation costs.

Field-engineered systems represented in this summary are the largest air conditioning systems, ranging in size from 20-ton capacity on up. In contrast to unitary equipment, field-engineered systems are assembled on site.

(more)

ESTIMATED INSTALLED VALUE OF FIELD-ENGINEERED EQUIPMENT

YEAR	VALUE ($)
1969	1,999,267,000
1970	2,136,040,000
1971	2,120,120,000
1972	1,945,293,000
1973	1,968,547,000
1974	2,082,507,000
1975	2,308,494,000
1976	1,915,227,000
1977	1,969,920,000
1978	2,066,920,000
1979	2,447,173,000
1980	3,438,600,000
1981	3,669,120,000
1982	3,605,533,000
1983	4,834,200,000
1984	5,303,865,000
1985	6,515,994,000

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Unitary equipment shipments -----

1985 second best year on record

ARLINGTON, Va. - Shipments in 1985 of unitary air conditioning equipment for use in both commercial and residential installations declined by 1.02 percent, but were second only to the record 1984 year, according to the Air-Conditioning and Refrigeration Institute.

Equipment for use in residential installations increased 1.2 percent in 1985, while equipment for use in commercial installations dropped 8.0 percent. The estimated residential units shipped totalled 2,711,380 in 1985, representing 82.4 percent of installed equipment. The other 17.6 percent of installed equipment was the estimated 579,130 commercial units shipped.

Total unitary shipments of 3,370,374 units fell just short of the record 3,405,126 units shipped in 1984.

The 1985 figures are in marked contrast to those of 32 years earlier when such statistics first were available. In 1953, 66.9 percent of unitary shipments were for commercial installations and only 33.1 percent were for residential installations. Two years later, however, in 1955, residential units accounted for 56.5 percent of units shipped. Residential units shipped have continued to dominate, and since 1977 have led by a margin of about 4 to 1.

The following summaries highlight distribution patterns of residential and commercial unitary air conditioning equipment since 1980. Also shown are export shipments which continue to fluctuate. In 1985 exports declined to 79,864 units compared to 96,698 in 1984. Figures for previous years are available on request.

(more)

		UNITS	PERCENT
1980			
	Residential	1,720,849	79.4
	Commercial	455,865	20.6
	U.S. Shipments	2,166,714	
	Export Shipments	126,366	
	Total Shipments	2,293,080	
1981			
	Residential	1,828,991	77.3
	Commercial	538,492	22.7
	U.S. Shipments	2,367,483	
	Export Shipments	130,769	
	Total Shipments	2,498,252	
1982			
	Residential	1,465,094	78.7
	Commercial	396,149	21.3
	U.S. Shipments	1,861,243	
	Export Shipments	98,280	
	Total Shipments	1,959,523	
1983			
	Residential	2,287,159	85.7
	Commercial	381,162	14.3
	U.S. Shipments	2,668,321	
	Export Shipments	76,407	
	Total Shipments	2,744,728	
1984			
	Residential	2,678,748	81.0
	Commercial	629,680	19.0
	U.S. Shipments	3,308,428	
	Export Shipments	96,698	
	Total Shipments	3,405,126	
1985	Residential	2,711,380	82.4
	Commercial	579,130	17.6
	U.S. Shipments	3,290,510	
	Export Shipments	79,864	
	Total Shipments	3,370,374	

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